PARTITIONED ROUTING INFORMATION BASE

Abstract

[0048]   A system and method for routing in a network according to a routing protocol. In a router having a plurality of route processors, a routing information base (RIB) is partitioned so that it executes as processes on two or more of the plurality of route processors. A first routing protocol process executing on one or more of the route processes determines a route to a destination in a given network and stores the route in a routing information base (RIB) associated with the first routing protocol process. The first routing protocol process updates a global routing information base (gRIB) with the new route. A gRIB process associated with the gRIB then writes the route from the gRIB to the routing information base (RIB) associated with the second routing protocol process.

                                          Attorney Docket 1370.002US1